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APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/872,145	(06/01/2001	Douglas J. McKnight	002879P049	002879P049 4888		
23640	7590	05/11/2004		EXAM	EXAMINER		
BAKER BO	TTS, LI	_P	HA, NAT	HA, NATHAN W			
910 LOUISIA	NA			· · · · · · · · · · · · · · · · · · ·			
HOUSTON,	TX 770	02-4995	ART UNIT	PAPER NUMBER			

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2814

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No. Application No. Application No. Os/872,145 MCKNIGHT ET AL.	· · · · · · · · · · · · · · · · · · ·	Application No.	Amplicant(a)						
Examiner Natharn W. Ha The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.									
Nathan W. Ha - The MAILING DATE of this communication appears on the cover sheet with the correspondence address - Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. If the period for reply specified above is less than thirly (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely—and the statutory reply days and will replace (4) (4) (4) (4) (7) (7) (4) (4) (4) (4) (7) (7) (7) (4) (4) (4) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	Office Action Summany	·							
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A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time rays be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed - If the period for reply specified above, the maximum stabutory plays within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum stabutory plays within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum stabutory plays within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum stabutory specified will apply and all expire 3X (2) MONTH's from the maining date of this communication. - If NO period for reply is specified above, the maximum stabutory specified will apply and all expire 3X (2) MONTH's from the maining date of this communication. - If NO period for reply is specified above, the maximum stabutory specified will apply and apply and specified the specified of the communication, and the communication. - If NO period for reply is specified above, the maximum stabutory specified by the score above the specified of the communication, and the communication. - If NO period for reply is specified above, the maximum stabutory specified by the score above the specified of the communication, and the specified above the specified above. - If NO period for reply is specified above, the maximum stabutory specified above the specified above. - If NO period for reply is specified above, the maximum stabutory specified above. - If NO period for the specified above, the maximum stabutory specified above. - If NO period for the specified above, the maximum stabutory specified above, the	The MAN INO DATE of this communication and			<u> 1811 </u>					
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DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of claims 1-35 in Paper No. 2/20/04 is acknowledged.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 1-35 are rejected under 35 U.S.C. 102(e) as being anticipated by Nakamura, US 2001/0022401.

In regard to claims 1, 8, 22, in fig.1b, Nakamura discloses a display apparatus comprising:

a display medium, included in the substrate 20;

a transparent substrate 10, see [0058] line 3;

a non-transparent substrate 20, said display medium being disposed between said transparent substrate and said non-transparent substrate; and an adhesive material 40coupling said transparent substrate and said non-

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transparent substrate said adhesive material being disposed proximate to a channel which is in at least one of said transparent substrate and non-transparent substrate. See [0065] col. 5, lines 1-4.

In regard to claim 2, wherein said display medium is a liquid crystal material. See [0057], line 7.

In regard to claims 3-4, 9-10, 18,23-24, wherein at least one of said transparent substrate and said non-transparent substrate is made of silicon, glass. See [0091]. In regard to claim 5, the device as disclosed in the above cited art is an IC device, solid state image device, for example.

In regard to claims 6, 11, 25, Nakamura further discloses wherein said adhesive material is disposed adjacent to said channel. See fig. 1b.

In regard to claims 7, 12, 26, wherein a flow of the adhesive material in a direction away from a display area is minimized. See also, fig. 1b.

In regard to claims 13-14, 27-28, and 31-32, Nakamura further discloses the device comprising a display medium, a solid-state image sensor, for example. See [0057], line 7.

In regard to claims 15, 29, the device comprising at least a first metal layer 12 and a second metal layer 14, electrodes. See fig. 1b and [0062].

In regard to claims 16, 30, Nakamura further comprises a passivation dielectric layer 44, fillet layer. See fig. 1b and [0065], line 4.

In regard to claim 17, Nakamura futher comprises a liquid crystal material wherein said liquid crystal material is disposed between said transparent

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substrate and said non-transparent substrate. See above discussions regarding to claim 1.

In regard to claims 19 and 33, wherein at least one of said transparent substrate and said non-transparent substrate has a conductive layer 12 or 14 coupled therewith. See fig. 1b.

In regard to claims 20 and 34, Nakamura further comprises a conductive crossover material 21 wherein said conductive crossover material is disposed between said conductive layer and at least one of said first metal layer and said second metal layer. See also, fig. 1b.

In regard to claims 21 and 35, Nakamura further comprises at least one bond pad 22 coupled with at least one of said first metal layer and said second metal layer. See fig. 1b.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nathan W. Ha whose telephone number is (571) 272-1707. The examiner can normally be reached on M-TH 8:00-7:00(EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on (571) 272-1705. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Nathan Ha May 5, 2004

LONGPHAM PRIMARY EXAMINER

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